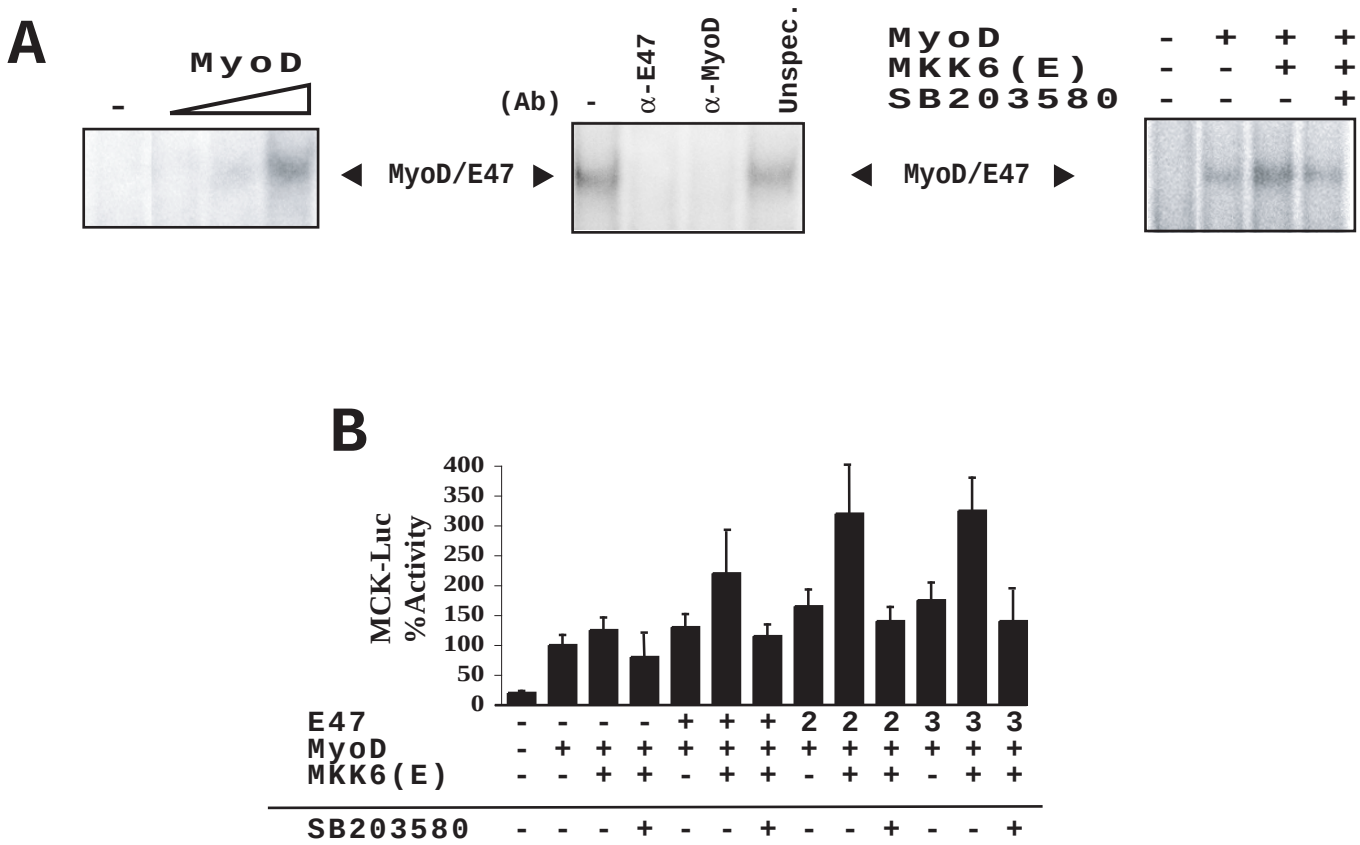

Figure 1.

(A) *Left:* Increasing levels of ectopic MyoD are required for the detection of heterodimer formation between MyoD and endogenous E47, and further binding to the E box (left). Protein-DNA binding was analyzed by EMSA after incubation of nuclear extracts (NE) with the labeled E box from the MCK promoter. *Middle:* The composition of the MyoD/E47-E box binding activity (corresponding to lane 3) was analyzed by EMSA, after incubating NE with specific antibodies against MyoD or E47, or with an irrelevant antibody. Right: NIH3T3 cells were transiently transfected with MyoD, with or without MKK6(E), in the absence or presence of SB203580.

(B) p38 MAPK activity induces MyoD/E47-dependent transcription from the MCK-Luc promoter-reporter. NIH3T3 fibroblasts were transfected with the MCK-Luc promoter-reporter plasmid with a constant amount of MyoD, either alone (lanes 2-4) or with increasing amounts of E47 expression vectors (lanes 5-13). When indicated, MKK6 expression plasmid (+) or empty vector (-) were included in the transfected DNA, in the presence or absence of SB203580, and luciferase activity measured subsequently. All transfection experiments were normalized to β-galactosidase activity.

Supplementary Fig. 1 Lluis et al.